

Title (en)
COMPOSITIONS COMPRISING IONIC RESINS AND CAPPED POLYISOCYANATE MIXTURES CONTAINING A DIPHENYL-2,4'-DIISOCYANATE AND A DIPHENYL-4,4'-DIISOCYANATE

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Application
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Abstract (en)
[origin: EP0236050A1] Curable electrocoating compositions and the use of these compositions in a method of electrodeposition are disclosed. The electrocoating compositions comprise an aqueous dispersion of an active hydrogen-containing ionic resin and a capped polyisocyanate in which the polyisocyanate comprises a mixture of a diphenyl-2,4'-diisocyanate, a diphenyl-4,4'-diisocyanate and optionally polyphenyl polyisocyanate in which the diphenyl-2,4'-diisocyanate comprises at least 5 percent by weight of a polyisocyanate mixture. The capped polyisocyanate mixture results in a more stable aqueous dispersion than comparable dispersions prepared with capped polyisocyanates derived from the more common diphenyl-4,4'-diisocyanate and mixtures of diphenyl-4,4'-diisocyanate with polyphenyl polyisocyanate.

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